FAS ARCHITECTURE

Figure 1 - FAS Architecture & Integration

All transactions conform to the following Backus-Naur Format (BNF) for passing transaction parameters and values:
trans_value = { status_request_value | parameter_request_value }
status_request_value = transaction_# [,transaction_# ...] ;
parameter_request_value = param_name : param_value [, param_name:param_value ...] ;
param_value : { "any printable character" | {+|-}number[.digits] | yyyy/mm/dd hh:mm:ss}
Note that the transaction value can be packed into one or more messages as needed.
Oracle will return following messages using "pipe_name" specified in the sent message:

Message Number	Description
1	# of total messages sent (including this one)
2	# of messages and # of transactions processed
if status was requested, the following message will also be sent in addition:	
3	transaction_#: transaction_status
4	transaction_status
...	...
n	transaction_#: transaction_status
...	...

Table 2 - Return Status

BNF for the transaction_status is as follows:
transaction_status = (status_code)[error_name [,error_name ...]] ;
status_code = [INITIAL | VALIDATED | MOVED | FINISHED | ERROR | CUSTOMER | NOT_FOUND]

- *INITIAL means that transaction is ready to be validated*
- *VALIDATED means that transaction has been validated and is ready to be moved into Financial Interface tables*
- *MOVED means that transaction has been moved into Financial Interface tables*
- *FINISHED means that transaction has been moved from Financial Interface tables to Financial Internal tables*
- *ERROR means that transaction had one or more errors during processing*
- *CUSTOMER means that transaction is currently not a valid customer in LBS system but could be a valid customer in the future date*
- *NOT_FOUND means that transaction record is not found in LBS system*

Transaction status can be packed into one or more messages as needed.
The flat file format required for AIR CARD into-plane is as follows. This file should be
vertical bar '|' delimited with the last character on each record being a vertical bar.

bute name	Optional	Type
tail_number	not null	varchar2(8)
dodaac_id	not null	varchar2(60)
sale_date	not null	date
tid_code	not null	varchar2(2)
unit	not null	varchar2(3)
unit_price	not null	number
quantity	Optional	number(12,3)
invoice_amount	not null	number
subinv_name	not null	varchar2(10)
receipt_id	Optional	number(10)
soe_type	Optional	varchar2(10)
process_status	not null	varchar2(30)
site_id	not null	number(10)
project_code	Optional	varchar2(40)
document_id	Optional	varchar2(50)
signal_code	not null	varchar2(12)
sale_type	Optional	varchar2(20)
vendor_code	not null	varchar2(20)

Table 3 - Transaction Flat File Format

Attribute name	Optional	Type
vendor_code	not null	varchar2(20)
vendor_name	not null	varchar2(100)
vendor_contact_fname	Optional	varchar2(30)
vendor_contact_lname	not null	varchar2(50)
vendor_address1	not null	varchar2(240)
vendor_address2	not null	varchar2(240)
vendor_address3	Optional	varchar2(240)
vendor_city	not null	varchar2(60)
vendor_state	not null	varchar2(60)
vendor_postal_code	not null	varchar2(60)
vendor_country	Optional	varchar2(60)